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Application No. 10/612,748
Amendment dated 11/22/2005
Reply to Office Action of September 30, 2005

02-ASD-333 (GT)

Amendments To The Claims:

Please amend the claims as indicated below.

Listing of Claims:

1. (Previously Amended) A system for controlling fuel vapor recirculation during refueling of a tank from a dispensing nozzle, the system comprising:
 - (a) a filler tube with a means for sealing about the nozzle;
 - (b) a means defining a vapor recirculation path from the tank to the filler tube at a location downstream of said means for sealing about the nozzle;
 - (c) a vapor storage device disposed externally of the tank and connected to receive fuel vapor from the tank; and,
 - (d) a flow control valve disposed in said recirculation path, said flow control valve responsive to a predetermined pressure differential across the valve to change from a first flow rate to a second flow rate higher than the first flow rate.
2. (Original) The system defined in claim 1, wherein said flow control valve includes a valve obturator moveable between an open and closed position with a passage therethrough providing said first flow rate when said obturator is in said closed position, said obturator providing said second flow rate in said open position.
3. (Original) The system defined in claim 1, wherein said flow control valve includes a piston having a passage therethrough.
4. (Currently Amended) The system defined in claim 1, further comprising a float operated valve disposed fluidically in series with said flow control valve in said recirculation path.

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02-ASD-333 (GT)

5. (Original) The system defined in claim 4, wherein said flow control valve and said float operated valve are mounted in a common housing through an access opening in the tank.
6. (Original) The system defined in claim 5, wherein said flow control valve and said float operated valve are mounted in vertically aligned arrangement.
7. (Previously Amended) The system defined in claim 1, wherein said flow control valve is operative to change to said second flow rate at a pressure differential thereacross of about 1 kPa (4 in. H₂O).
8. (Previously Amended) A method of controlling fuel vapor recirculation during refueling of a tank from a dispensing nozzle comprising:
 - (a) providing a tank filler tube with a nozzle receiving cup end disposing an annular seal in the cup and sealing about the nozzle upon insertion therein;
 - (b) providing a vapor recirculation passage from the tank to the filler tube cup downstream of the nozzle seal;
 - (c) disposing a pressure responsive flow control valve in said recirculation passage and changing the rate of flow in said passage from a first rate to a second rate higher than the first rate when said valve experiences a predetermined pressure differential thereacross.
9. (Previously amended) The method defined in claim 8, wherein said step of disposing the pressure responsive flow control valve includes disposing a valve with an obturator having a passage therethrough; and wherein said step of changing the rate of flow includes moving the obturator between an open and closed position.
10. (Original) The method defined in claim 8, further comprising disposing a second valve in said recirculation line, wherein said second valve is responsive to a fluid level.

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11. (Previously amended) The method defined in claim 10, wherein said step of disposing a second valve includes disposing a float operated valve, and wherein the method further includes disposing said flow control valve and said float operated valve in a common housing.
12. (Original) The method defined in claim 11, wherein said step of disposing in a common housing includes mounting said housing through an access opening in the tank.
13. (Original) The method defined in claim 8, wherein said step of disposing a flow control valve includes disposing a valve with a moveable piston and forming a passage through the piston for providing the first flow rate.
14. (Original) The method defined in claim 8, further comprising disposing a float operated valve vertically aligned with said flow control valve.